

CLAIMS

I claim:

1. A system for controlling fluid re-circulation to and from a fluid reservoir, said system comprising:

a fluid reservoir;

a re-circulation conduit connected to said fluid reservoir;

a pump disposed in said conduit for pumping fluid through said re-circulation conduit;

a fluid filter disposed in said re-circulation conduit at a position downstream of said pump;

a drain conduit disposed in said re-circulation conduit, said drain conduit positioned adjacent said filter;

a valve disposed in said re-circulation conduit, said valve having structure to divert the fluid from said re-circulation conduit to said drain conduit;

an electrical timer for controlling operation of said pump; and

a pair of electrical contacts attached to said valve for actuating said electrical timer.

2. A system for controlling fluid re-circulation to and from a fluid reservoir as recited in claim 1, wherein said valve has a handle and one of said pair of contacts is attached to said handle.

3. A system for controlling fluid re-circulation to and from a fluid reservoir as recited in claim 1, wherein said valve has a body portion and one of said pair of contacts is attached to said body portion.

4. A system for controlling fluid re-circulation to and from a fluid reservoir as recited in claim 1, herein said drain conduit is filter is positioned upstream of said filter.

5. A system for controlling fluid re-circulation to and from a swimming pool, said system comprising:

a swimming pool;

a re-circulation conduit connected to said swimming pool;

a pump disposed in said conduit for pumping fluid through said re-circulation conduit;

a fluid filter disposed in said re-circulation conduit at a position downstream of said pump;

a drain conduit disposed in said re-circulation conduit, said drain conduit positioned adjacent said filter;

a valve disposed in said re-circulation conduit, said valve having structure to divert the fluid from said re-circulation conduit to said drain conduit;

a handle attached to said valve for moving said valve from a position wherein said fluid is re-circulated through said system to a position wherein said fluid is diverted to said drain conduit;

an electrical timer for controlling operation of said pump; and

a pair of electrical contacts attached to said valve for actuating said electrical timer.

6. A system for controlling fluid re-circulation to and from a swimming pool as recited in claim 5, wherein one of said pair of contacts is attached to said handle.

7. A system for controlling fluid re-circulation to and from a swimming pool as recited in claim 5, wherein said valve has a body portion and one of said pair of contacts is attached to said body portion.

8. A system for controlling fluid re-circulation to and from a swimming pool as recited in claim 5, wherein said drain conduit is positioned upstream of said filter.

9. A system for controlling fluid re-circulation to and from a swimming pool, said system comprising:

a swimming pool;

a re-circulation conduit connected to said swimming pool;

a pump disposed in said conduit for pumping fluid through said re-circulation conduit;

a fluid filter disposed in said re-circulation conduit at a position downstream of said pump;

a drain conduit disposed in said re-circulation conduit, said drain conduit positioned adjacent said filter;

a valve disposed in said re-circulation conduit, said valve having a body portion and including structure to divert the fluid from said re-circulation conduit to said drain conduit;

a handle attached to said valve for moving said valve from a position wherein said fluid is re-circulated through said system to a position wherein said fluid is diverted to said drain conduit;

an electrical timer for controlling operation of said pump; and

a pair of electrical contacts attached to said valve for actuating said electrical timer, wherein one of said pair of electrical contacts is attached to said handle and one of said pair of electrical contacts is attached to said valve body.

10. A system for controlling fluid re-circulation to and from a swimming pool as recited in claim 9, wherein said drain conduit is positioned upstream of said filter.